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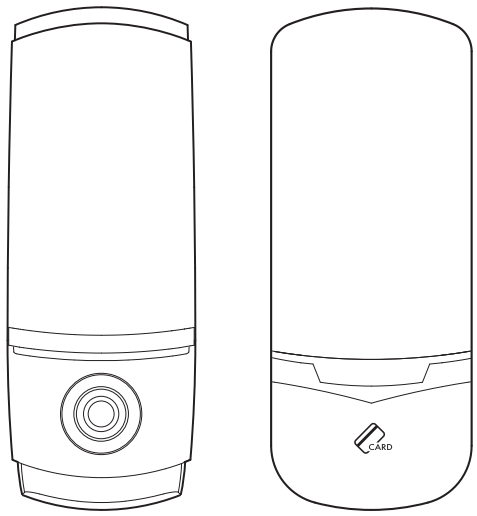
Since 1970

220/310 Series User Manual

Push-button type subsidiary key



220 Series　310 Series

Cautoin

As this is a keyless digital door lock, damage may occur to parts of the dead lock system if it is not used according to the manual. Users should be fully aware of the manual and how to operate this product.

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- This manual may change without notice in case of product improvement.
- Product specifications are subject to change without prior notice.
- This manual may not be edited or changed without the manufacturer's prior permission

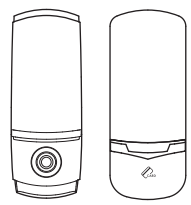
Safety precautions

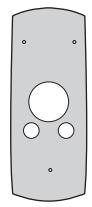
Warning The precautionary measures are for the safety of the user, for the prevention of property damage, and for the avoidance of any inconveniences due to an accident. These must be read and followed properly.

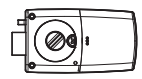
- Do not disassemble or alter the lock.
- Do not install where the distance over 5mm between the door and door frame.
- Please do not expose the secret code and change the secret code in regularly.
- Batteries should not be exposed directly to heat sources or flames, or submerged in water, because they may leak or explode, resulting in severe damage. Please do not use damaged batteries.
- Do not press using sharp tools or press numeric button excessively.
- Make sure the door is completely locked when going out.
- Place the batteries carefully and correctly according to their polarity (+/-). If the batteries are inserted in a wrong way, differently from the indicated direction or polarity, leakage or rupture could occur. Pay attention to it.
- Please do not mix old with new batteries or use different types.
  Always use new alkaline batteries.
- Do not clean the product with flammable materials such as alcohol, benzene or thinners. Such materials may damage the surface or cause a fire.
- Replace the current batteries with new ones within 1 week after the battery replacement notification melody sounded off for the first time.

Product Composition

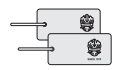
Product composition may be subject to change depending on the installation environment.

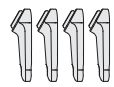

Front Ass'y


Front pad

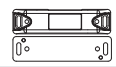

Back Ass'y

Mounting Plate


Smart Tag 2EA



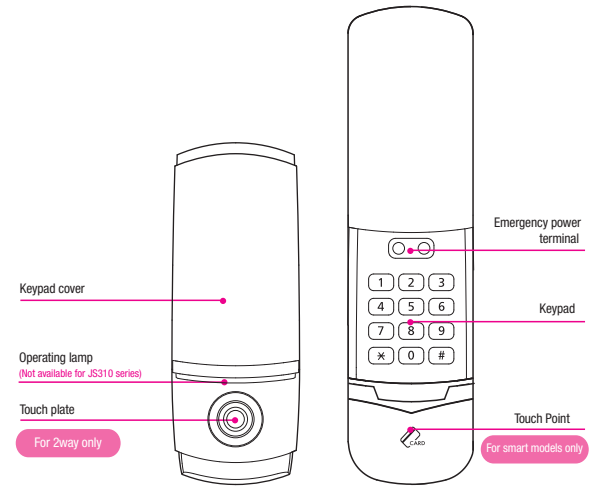
Slim smart key 2EA


Strike & Strike Sp cer

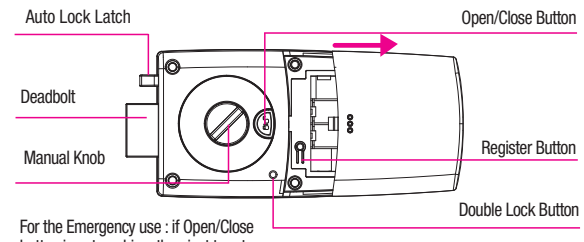
Digital key 4ea (2-way only)	310 series only
220 series only	Digital key and smart key are exclued from the 220N/310N series.

User Manual / Product Warranty / Installation Template / Screw / Batteries(AA LR6 4Pcs)

Specification(Front Ass'y)

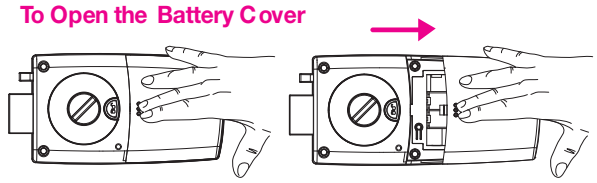


Specification(Back Ass'y)



For the Emergency use : if Open/Close button is not working, then just turn to open by finger

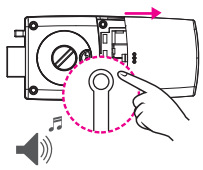
To Open the Battery Cover



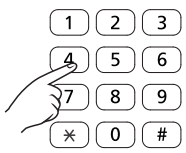
Press slightly battery cover and push to the direction of the arrow to open.

Registering and changing the secret code

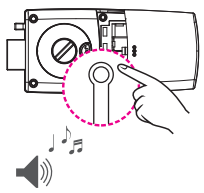
Product composition may be subject to change depending on the installation environment.



1. Press the [Register] button
Open the battery cover, and press the [Register] button. Then, a short signal sound "Bibi~" will be generated.



2. Enter the new secret code for registration.
Push the keypad cover up on the front ass'y, and then enter the new secret code for registration. (Numerical characters of 3–20 digits, except for the [*] and [#] buttons)



3. Press the [Register] button
Press the [Register] button after entering the secret code. Then, a melody "Biriri" will be generated, completing the registration.
Once the secret code is registered, while the door is opened, users must check whether the secret code is working well.

Caution

- The door must be open while registering the secret code. The door may be locked while the user does not know the secret code yet (Carry the emergency digital touch key/smart tag (card).
- When the registration is completed, the user must check whether the door lock operates normally while keeping the door open and having the deadbolt come out.
- When the user enters an incorrect secret code 3 or more consecutive times, the door lock will stop its operation for 30 seconds.
  (User the current state by pressing the [Open/Close] button on the back ass'y)

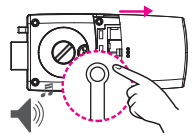
Attention

- Only one secret code can be registered, and 3–20 digits can be entered for the secret code.
- When a new secret code is registered, the existing secret code (1234567890) will be automatically deleted.
- Even when the secret code is changed, the digital touch key or the smart tag (card) can still be used without registering it additionally.

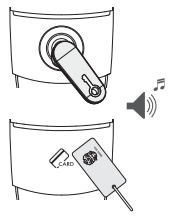
Registering the digital touch key/smart tag (card) the secret code

For 2way only

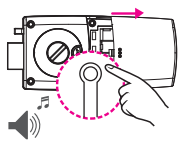
The door must be open while registering and checking the digital touch key or the smart tag (card).



1. Press the [Register] button
Open the battery cover, and press the [Register] button. Then, a short signal sound "Ttitti~" will be generated.



2. Register the digital touch key/smart tag (card)
Bring the digital touch key/smart tag (card) that needs to be registered into contact at the touch plate of the front ass'y. When a normal contact occurs, a short signal sound "Bibi~" will be generated.



3. Press the [Register] button
Bring individual digital touch keys/smart tags (cards) into contact at the touch plate in order while pressing the [Register] button. Then, a melody "Biriri" will be generated completing the registration.

4. Delete the digital key / Smart key
Press [Register] button, and then press "0"(zero) for 5 seconds.

Caution

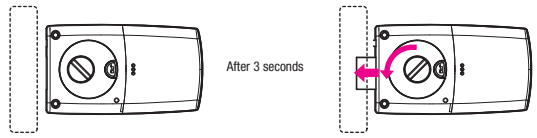
- The door must be open while registering the digital touch key or smart tag (card). The door may be locked by mistake.
- When the registration is completed, the user must check whether the door lock operates normally while it is open.
- If a digital touch key or smart tag (card) needs to be registered again, press the [Register] button and then bring it into contact at the reception area.

Attention

- Even when one of the digital touch keys or smart tags (cards) that are used is missing, it is required to register all of the remaining digital touch keys and smart tags (cards) again. When the registration takes places, the missing digital touch key or smart tag (card) cannot be used as it will be automatically deleted.
- Users can purchase additional digital touch keys or smart tags (cards) from the head office customer center or from one of the company's selling shops.
- 4pcs of digital touch key (2pcs of smart tag (card)) are provided basically. It is possible to register up to 20pcs.

Locking the door from the inside and the outside

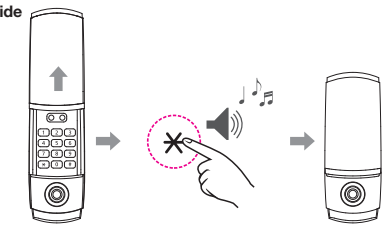
When the auto lock function is set



When it comes to the auto lock function that is set to default when the product is shipped, the door will be locked 2 seconds after it is closed.

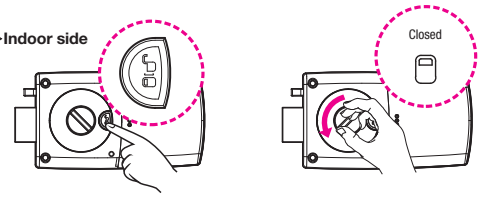
When the manual lock function is set

▶Outdoor side



Push the keypad cover up, and press [*] button.
then, the door will be closed with a melody "Biriric".

▶Indoor side



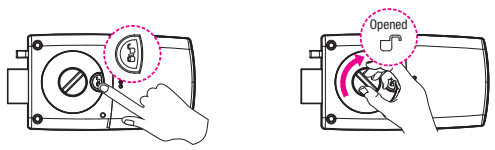
Press the [Open/Close] button of the back ass'y, or directly turn the manual knob to the close position. Then, the door will be locked.

Caution

- If the user enters an incorrect secret code 3 consecutive times, an alarm will be generated while the door lock will stop operation for a certain period of time. (①Wait for about 30 seconds, and try to enter the secret code again. ② If the operation stops, press the [Open/Close] button from the inside to unset the current state)
- The company will not be held responsible for any damage due to exposure of secret codes. Users need to be careful about keeping their secret code safe.

Opening the door from the inside and the outside

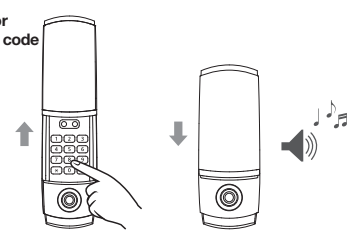
When opening the door from the inside



Press the [Open/Close] button of the back ass'y, or turn the manual knob of the digital door lock to the [Open] position. Then, the door will be opened.

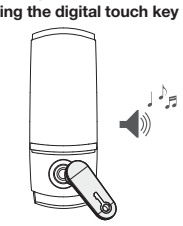
When opening the door from the outside

▶ **Opening the door by using a secret code**

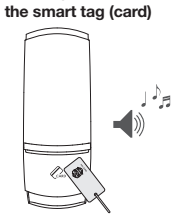


Push the keypad up, and then enter the registered secret code and then bring the keypad cover down. Then, the door will be opened while the melody "Biriric" is generated.

▶ **Opening the door by using the digital touch key**



▶ **Opening the door by using the smart tag (card)**



Bring the registered digital touch key/smart tag (card) into contact at the touch plate. Then, the door will be opened while a melody "Biriric" is generated.

Caution

The company will not be held responsible for damage due to loss of secret code, digital touch key or smart tag (card). Users need to take extra precautions in keeping them safe.

Auto/Manual locking mode

▶Auto locking mode

Press [Register] button, after open the battery cover → Press [3] button → Press [Register] button

▶Manual locking mode

Press [Register] button, after open the battery cover → Press [6] button → Press [Register] button

Information

While the auto lock function is set, if the door is closed, it will be locked automatically within 3 seconds. User can set the manual lock function to unset the auto lock function to have the door locked as necessary.

Entering and Delete the Master code / Master key

The administrator only function to manage the collective complex.
(It can be deleted when moving-in.)

▶Master code

Entering

[Register]-[8]-[3]-[Register]-[Input of Master code]-[Register]

Delete

[Register]-[#]-[#]- [#] -[7] -[3] -[Register]-[Registered Password or Input Master code]-[Register]

▶Master Key

Input

[Register]-[8]-[6]-[Register]-[Key touch]-[Register]

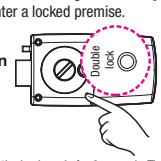
Delete

[Register]-[#]-[#]- [#] -[7] -[6] -[Register]-[Registered Password or Input Master code]-[Register]

When setting the double lock function

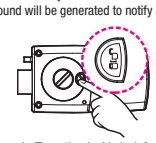
What is the double lock function?
It is for neutralizing a secret code, the digital touch key and the smart tag (card) when someone tries to forcibly enter a locked premise.

▶ **Setting the double lock function**



Press the [Double lock] button of the back ass'y for 3 seconds. Then, the double lock function will be set. When the setting is completed, a sound will be generated to notify of the completion of registration.

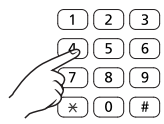
▶ **Releasing the double lock function**



Press the [Open] button of the back ass'y. Then, the double lock function will be disabled.

Imaginary code function

Even when another person is watching nearby, this function makes it possible for the user to go inside the house easily by entering the secret code without worrying about it being exposed. It is a patented function

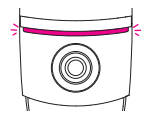


If the secret code is 1234.
The user just needs to enter the real secret code "1234" at the end, after random numbers are entered. Take note that the first digit of the real secret code cannot be part of the random numbers. In this case, "1" cannot be part of the random numbers entered prior to the real secret code because "1" is part of the current secret code.

Information

If the user presses the first digit of the secret code while pressing the imaginary code, the user must enter the remaining part of the real secret code continuously.

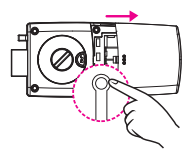
Operating state notification (Not available for JS310 series)



· Error with the secret code: Red
· Battery discharged: Red
· Use of a digital touch key not registered: Red
· When the forced lock function is set: Green

Neutralizing unauthorized entry (Applied for a patent)

(Not available for JS310 series)



Setting: Press the [Register] button, the number [5] button, and the [Register] button in order.
Unsetting: Press the [Register] button, the number [8] button, and the [Register] button in order.

The function prevents someone from opening the door by drilling a hole in the door or through a milk door. The company has applied for a patent for the function. With a body detection opening function, the door can be opened only when a human's hand is detected.

High-temperature warning system

When high temperature is detected internally, this system will generate a powerful warning sound and disable the locked state of the door lock automatically. In addition, the manual knob is made according to the KS standards, it is possible to operate the system normally with simple manipulation of the manual knob even at a high temperature during an emergency situation.

▶ **High-temperature warning**

The function will be activated when the temperature sensor, which is installed on the back ass'y, detects heat (About 70℃. The operating state will vary depending on the environment and state of the installation.

▶ **Releasing the high-temperature warning.**

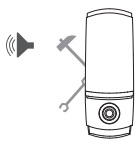
Open the battery cover and then remove the batteries and wait for a certain period of time for the temperature to go down. Then the warning sound will be disabled.

Information

Even when the digital door lock is locked, if the temperature sensor detects a high temperature, it will generate a powerful alarm and open the door automatically at the same time.

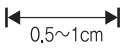
Trespass / Breakage alarm

While the door is closed, if someone tries to break in or enter illegally by opening up a gap in the door, causing the deadbolt to be removed forcibly from the auto locking sensor, this function will generate a very powerful alarm.



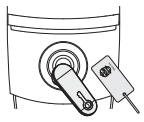
▶ **Damage alarm**

While the door is closed, if the product is removed or if the locked state is disabled in an abnormal way, an alarm will be generated.



▶ **Burglar Alarm**

While the door is closed, if a gap of 0.5–1.0 cm occurs between the product and the door frame hook is caused, an unauthorized entry alarm will be activated.



▶ **Releasing the trespass / breakage alarm**

Open the battery cover of the back ass'y, and the remove the batteries, or enter the registered secret code in the front ass'y or bring the digital touch key or smart tag (card) into contact at the touch plate, the alarm will be disabled.

Caution

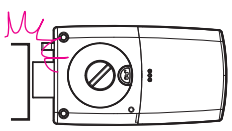
If the door is unstable due to impurities in the door frame, the deadbolt may come out while the door is not closed completely, causing an unauthorized entry alarm to be set off. Considering this, must check the operating state of the deadbolt of the digital door lock before opening and closing the door. Users need to understand how to disable the unauthorized entry and damage alarm.

Adjustment the volume level or Volume control

This function helps the users to adjust the volum level.

Nomal (Initial value)	[Register] – [8] – [Register]
Mute	[Register] – [9] – [Register]
High tone	[Register] – [7] – [Register]

Notification of the state of the deadbolt



1. The deadbolt gets caught due to mechanical problems with the stopper when the door is closed or opened.
2. Front red LED is activated
   (Buzzer: Warning sound)

- 3 retrials to open and close the door.
- After the retrials, if the door does not work normally yet, a warning sound will be generated (Buzzer: Warning sound).

Battery replacement notification

When the batteries need to be replaced, a melody "Open the east, east, east gate~ Open the south, south, south gate" will be generated while operating the product. The melody lets the user know about the need to replace the batteries

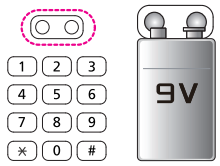
If the melody is generated while operating the system, open the battery cover of the back ass'y, and replace all the batteries (4pcs) with new 1.5V alkaline batteries.

Caution

- Once the emergency power is supplied, the user needs to replace all the existing batteries with new ones immediately.
- Use genuine batteries, not rechargeable ones. Place the batteries carefully and correctly according to their polarity (+/-). If the batteries are inserted in a wrong way, differently from the indicated direction or polarity, leakage or rupture could occur. Pay attention to it.
- When the battery replacement notification signal is generated, replace all batteries. Do not use the new batteries with used ones.
- The rated voltage is 6V.

Emergency power supply

When the batteries of the door lock is completely discharged, making it impossible to open the door from the outside using the secret code, the digital touch key and the smart tag (card), this function will help the user open the door temporarily by supplying an emergency power.



Open the keypad cover of the front ass'y, and bring the DC9V battery (Rectangular) into contact at the external power terminal correctly and then open the door using the secret code, the digital touch key, or the smart tag (card).

Information

It is OK to bring a 9V battery as an emergency power into contact regardless of the + and – polarities.

Standard of the product

Classification	Specification	Remarks
Front ass'y (Front body)	64W X 175H X24D mm	Rated voltage: DC 6V Working temperature: -20~70℃ Sensor working temperature: 70℃
Back ass'y (Main body)	90W X 157H X 36D mm	
Strike	Aluminum die-casting	Sensor working distance: 3cm
Digital touch key / Smart tag (card)	Digital touch key 4pcs/ Smart tag (card) 2pcs	Possible to register up to 20pcs.
Battery	1.5V AA LR6 alkaline battery x 4	Will run for about 10 months when used 10 times a day
Door Handing	LH / RH / LHR / RHR	

* The lifetime of the batteries is based on the result of the tests by the company and is not an absolute measurement. It will vary depending on the temperature and humidity of the installed locations as well as depending on the frequency of usage and the quality of batteries.
* The functions, design, and composition of the product may change without prior notification for the purpose of improving its quality.

Types of consumer damage		Content of compensation	
		Within the warranty period	After the warranty period
The product is used in normal conditions	Failure occurs within 1 month from date of purchase	Product replacement	–
	Failure occurs within 1 year from date of purchase	Free-of-charge repair	–
	Same failure occurs 4 times or more	Free-of-charge repair	Paid repair
	The repair parts are not available at the main office	Product replacement	Replacement after depreciation based on a fixed rate.
Mistakes and mishandling by the user	Not the case of failure	Paid repair	
	Mistakes and mishandling by the user		
	Defective installation, and other reasons		

※Details of mistakes and mishandling by the user

Not the case of failure	Mistakes and mishandling by the user	Other reasons
• When needed to break the product due to loss of secret code. • When the door is sagging, or installation is defective, requiring the product to be reinstalled. • Request for checking the product for possible problems while there is no specific symptom of a failure. • Problems in operation occur after the user installs the product directly.	• A visit for repair is needed as there are mistakes and mishandling by the user such as mistakes in replacing batteries and unskillful use of the product. • Defective operation due to poorly inserted batteries and use of defective batteries. • Failure and breaking due to the use of the product for other purposes. • Failure and breaking caused by the user on purpose or from an external impact.	• Failure and damage due to natural disasters such as fires, floods and damage from sea water. • Penetration by water, condensation and injection of chemicals, requiring the internal circuits to be replaced, and causing failures.

Warranty

◎ The warranty period for all of the company's products is 1 year from the date of purchase indicated on the warranty certificate.

◎ The details of all kinds of services by the company is based on the damage compensation criteria of the consumer protection act by the government

◎ Even during the warranty coverage, users need to pay (the cost for trip, technical support and parts) for some services if they are in the category of chargeable services.

◎ Users must submit the warranty certificate that contains the installation information when needed to request a service.

◎ If the warranty certificate is not available, users need to submit a receipt, a credit card receipt or a cash receipt instead (Except for a simple receipt)

◎ If it is impossible to show the purchase date, the warranty period will be applied by taking into consideration the product's manufactured date + expiration period (6 months)

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